

SECRET

IDEALIST

IDEA-2727-65

Copy 6

13 August 1965

MEMORANDUM FOR THE RECORD

REFERENCE: DIAXX-1 2996-65

SUBJECT: LONG ARM Drone Modifications

25X1 1. [ ] from OEL outlined on 12 August 1965 his appraisal of the modification requirements necessary to configure the LONG ARM drone in view of recent information. He said that someone from OSI had briefed JRC last Monday that it would take 30 to 45 days to modify the LONG ARM intercept package. According to [ ] who has checked 25X1 with HRB Singer, the modification can be accomplished in two weeks, and there may be a preliminary price estimate by 13 August 1965.

2. The modification required will need the S-Band scanning receiver from System XVII. This comes about because of the recent determination that the beacon and fusing frequencies are in S-Band. He did propose to remove the C-Band elements plus two telemetry transmitters so that the drone would weigh less and consequently gain a little altitude.

3. With the new modification, the following data would be provided:

a. The fusing RF and time on

25 YEAR RE-REVIEW

b. The beacon RF

c. The time of arming (L-Band)

4. The S-Band scanning receiver from System XVII is required because of the extremely short time (200 milliseconds) that the arming signal is on before impact with the target.

25X1 5. According to [ ] much of the information is derived from a test manual on the SA-2 radar system which has not been translated accurately enough to remove all doubt concerning specific frequencies.

6. If the present LONG ARM drone were to be flown, we would probably get only the time of arming. With the proposed modification, he indicated that we probably would get some

IDEALIST

SECRET

**IDEALIST**

IDEA-2727-65

Page 2

X-Band, CW and pulse data as well.

7. I reminded Phil that we had proposed once before that the U-2 be configured to carry a telemetry receiver so that it could replace the B-47 if necessary for China overflights. He agreed that the requirement for data on Chinese missile sites was, in his opinion, a valid one. Since then, DIA has recommended that the LONG ARM drone be modified. It seems logical that we should seek the good counsel of Intelligence Division and C&FE/OSA along with OEL to arrive at a recommendation for the exact configuration of the LONG ARM package and a recommendation for its employment to collect data over other sites in addition to Hanoi.

25X1



Lt. Colonel USAF  
Chief, Plans for Field Activities, OSA

25X1

Plans/FA/OSA [redacted] lem (13 August 1965)

Distribution:

- #1 - D/FA/OSA
- #2 - ID/OSA
- #3 - C&FE/OSA
- #4 - Plans/FA/OSA
- #5 - IDEA/OSA
- #6 - RB/OSA

**IDEALIST**

**S E C R E T**

FORM 124  
503 USE PREVIOUS  
EDITIONS

CLASSIFIED MESSAGE

DATE 1625Z 12 AUG 65

TOP SECRET

| ROUTING |         |    |             |
|---------|---------|----|-------------|
| 1       | CC      | 9  | <i>Byrd</i> |
| 2       | DFA     | 10 | <i>How</i>  |
| 3       | DD/S&T  | 11 | <i>RB</i>   |
| 4       | "       | 12 |             |
| 5       | DDI     | 13 |             |
| 6       | DDP     | 14 |             |
| 7       | CIFE    | 15 |             |
| 8       | SALOMOR | 16 |             |

TO : OPCEN (SEE BELOW)

FROM : SSO DIA

ACTION:

INFO :

TOR: 2016Z 12 AUG 65

ROUTINE

IN 52899

0917 1-20 *lu*

TO: JCS/JRC  
INFO: CINCPAC, AFSSO SAC, AFSSO USAF, CNO, SSO ACSI/DA, OPCEN, DIRNSA

TOP SECRET RELEASABLE FROM SSO CHANNELS.

CITE DIAXX-1 2996-65.

## REFERENCES:

- (A) JCS 052126Z NOTAL.
- (B) AFSSO SAC 060401Z NOTAL.
- (C) OPCEN 092220Z SAO NOTAL.

SUBJECT: LONG ARM II. THIS MESSAGE IN THREE PARTS.

PART I. DIA RECOMMENDS DELAY EXECUTION OF LONG ARM II.

PART II. TWO SA-2/LONG ARM TECH CONFERENCES UTILIZING RECENTLY ACQUIRED INFO (NON DOD CONF 5-6 AUG, DOD CONF 11 AUG) DETERMINED

LONG ARM II DRONE NOT CAPABLE OF ACCOMPLISHING MISSION AS

PRESENTLY CONFIGURED. MODIFICATION WILL BE REQUIRED

(FIRST ESTIMATE 30-45 DAYS).

PART III. TECHNICAL DETAILS WILL FOLLOW LATER.

END OF MESSAGE

TOP SECRET

GROUP 1  
EXCLUDED FROM AUTO-  
MATIC DOWNGRADING  
AND DECLASSIFICATION